

Notice of Allowability

Application No.

09/730,904

Examiner

John A. McPherson

Applicant(s)

CHUNG ET AL.

Art Unit

1756

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment filed 5/23/05.
2. ☒ The allowed claim(s) is/are 1-32.
3. ☒ The drawings filed on 17 November 2004 are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance:

Claims 1-18 are allowable because in a method of manufacturing an organic electroluminescent display as set forth in claim 1, the prior art does not teach or suggest the step of applying a cross-linking process to the non-photosensitive insulating layer.

Claims 19-27 are allowable because in a method of manufacturing an organic electroluminescent display as set forth in claim 19, the prior art does not teach or suggest the steps of applying a baking process to the non-photosensitive insulating layer; dipping an aggregate composed of the substrate with the first display electrodes, the non-photosensitive insulating layer and the photosensitive insulating layer disposed thereon into a developer solution, whereby the photosensitive insulating layer is partially removed through development and the non-photosensitive insulating layer is partially removed by etching, thereby partially exposing the first display electrodes; and curing the aggregate.

Claims 28-30 are allowable because in a method of manufacturing an organic electroluminescent display as set forth in claim 28, the prior art does not teach or suggest forming a first photosensitive insulating layer over the substrate; forming a second photosensitive insulating layer on the first photosensitive insulating layer; performing a photolithography process on the first and second photosensitive insulating layers; developing the first and second photosensitive insulating layers simultaneously so as to form a pattern of first and second photosensitive insulating layers having a shape with a longitudinal axis substantially perpendicular to a longitudinal axis of the

first display electrodes, and the first display electrodes being exposed partly; wherein the photosensitivity of the first photosensitive insulating layer is different from that of the second photosensitive insulating layer.

Claims 31 and 32 are allowable because in a method of manufacturing an organic electroluminescent display as set forth in claim 31, the prior art does not teach or suggest forming a first photosensitive insulating layer over the substrate; forming a second photosensitive insulating layer on the first photosensitive insulating layer; performing a photolithography process on the first and second photosensitive insulating layers so as to define a shape with a longitudinal axis substantially perpendicular to a longitudinal axis of the first display electrodes; dipping an aggregate composed of the substrate with the first display electrodes, the first photosensitive insulating layer and the second photosensitive insulating layer disposed thereon into a developer solution, whereby the first and second photosensitive insulating layers are partially removed through development, thereby partially exposing the first display electrodes.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."


Any inquiry concerning this communication or earlier communications from the examiner should be directed to John A. McPherson whose telephone number is (571)

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272-1386. The examiner can normally be reached on Monday through Friday, 8:00 AM to 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Huff can be reached on (571) 272-1385. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



John A. McPherson
Primary Examiner
Art Unit 1756

JAM
5/28/05